

APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE		-25°C TO +85°C		STORAGE TEMPERATURE RANGE		-25°C TO +60°C		
	OPERATING&STORAGE HUMIDTY RANGE		85%MAX		APPLICABLE CABLE		OUTER DIAMETER OF CABLE : ϕ7.3±0.5		
	VOLTAGE		AC 125V						
	CURRENT		0.5 A						
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			X	X
MARKING		CONFIRMED VISUALLY.						X	X
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			65 mΩ MAX. (SIGNAL) 1			X	X
INSULATION RESISTANCE		100 V DC.			1000 MΩ MIN.			X	—
VOLTAGE PROOF		250 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			X	X
MECHANICAL CHARACTERISTICS									
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE 30N MAX. WITHDRAWAL FORCE 3 N MIN.			X	—
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.			1) CONTACT RESISTANCE 85 mΩ MAX. 1 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	—
VIBRATION		FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, 5 min/CYCLE, TOTAL 10 CYCLES.			1) NO ELECTRICAL DISCONTINUITY OF 10 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.						X	—
ENVIRONMENTAL CHARACTERISTICS									
THERMAL SHOCK		TEMP -55 →+5 TO +35 →+85 →+5 TO +35 °C TIME 30 → 5 → 30 → 5 min. UNDER 5 CYCLES.			1) CONTACT RESISTANCE: 85 mΩ MAX. 1 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	—
HUMIDITY LIFE		TEMPERATURE 40 °C, HUMIDITY 90 TO 95 %, FOR 96 h			1) INSULATION RESISTANCE: 100 MΩ MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	—
CORROSION SALT MIST		EXPOSED AT 5 % SALT WATER, FOR 48 h.			NO HEAVY CORROSION THAT LOSE FUNCTION.			X	—
	COUNT	DESCRIPTION OF REVISIONS			DESIGNED		CHECKED		DATE
△	1	DIS-E-003439			TF. HIGASHIYAMA		AH. KODAMA		10. 10. 04
REMARK					APPROVED	AO. SUZUKI		10. 09. 02	
1 EXCLUDES CONDUCTOR RESISTANCE OF CABLE. △ 2 EXAMINATION IS HELD WITH "DH-27-CV * B", "DH40-27S" AND "DH60-27P" OR "DH-27-CT * B", "DH40-27S" AND "DH60A-27P". Unless otherwise specified, refer to JIS C 5402 .					CHECKED	KN. ICHIKAWA		10. 09. 02	
					DESIGNED	MO. SHIMOYAMA		10. 09. 02	
					DRAWN	MO. SHIMOYAMA		10. 09. 02	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					DRAWING NO.		ELC4-127045-00		
HRS		SPECIFICATION SHEET			PART NO.		DH40-27S		
		HIROSE ELECTRIC CO., LTD.			CODE NO.		CL244-0053-8-00		△ 1/1